| | L # | Hits | Search Text | DBs |
|---|---|---|---|---|
| 1 | L5 | 6551 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | USPAT; US-PGPUB |
| 2 | L7 | 1504 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | EPO; JPO; DERWENT; IBM_TDB |
| 3 | L8 | 24 | 7 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | EPO; JPO; DERWENT; IBM_TDB |
| 4 | L6 | 116 | 5 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | USPAT; US-PGPUB |
| 5 | L9 | 413091 | (identif$6 detect$3 determin$3) near10 (program application instruction code microcode microinstruction routine call subroutine) | USPAT; US-PGPUB |
| 6 | L12 | 150826 | (identif$6 detect$3 determin$3) near10 (program application instruction code microcode microinstruction routine call subroutine) | EPO; JPO; DERWENT; IBM_TDB |
| 7 | L11 | 54 | 9 adj50 ((dynamic$5 run) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) | USPAT; US-PGPUB |
| 8 | L13 | 5 | 12 adj50 ((dynamic$5 run) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) | EPO; JPO; DERWENT; IBM_TDB |
| 9 | L14 | 39570 | ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | USPAT; US-PGPUB |
| 10 | L15 | 14 | 14 adj50 ((dynamic$5 run runtime execut$3) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) not (6 11) | USPAT; US-PGPUB |
| 11 | L16 | 12 | 14 adj50 ((dynamic$5 run runtime execut$3) near20 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) not (6 11) | USPAT; US-PGPUB |

| | L # | Hits | Search Text | DBs |
|---|---|---|---|---|
| 1 | L5 | 6551 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | USPAT; US-PGPUB |
| 2 | L7 | 1504 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | EPO; JPO; DERWENT; IBM_TDB |
| 3 | L8 | 24 | 7 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | EPO; JPO; DERWENT; IBM_TDB |
| 4 | L6 | 116 | 5 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | USPAT; US-PGPUB |
| 5 | L9 | 413091 | (identif$6 detect$3 determin$3) near10 (program application instruction code microcode microinstruction routine call subroutine) | USPAT; US-PGPUB |
| 6 | L12 | 150826 | (identif$6 detect$3 determin$3) near10 (program application instruction code microcode microinstruction routine call subroutine) | EPO; JPO; DERWENT; IBM_TDB |
| 7 | L11 | 54 | 9 adj50 ((dynamic$5 run) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) | USPAT; US-PGPUB |
| 8 | L13 | 5 | 12 adj50 ((dynamic$5 run) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) | EPO; JPO; DERWENT; IBM_TDB |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 1 | US 20040 01988 4 A1 | ☐ | Eliminating cold register store/restores within hot function prolog/epilogs | 717/154 |
| 2 | US 20030 20053 7 A1 | ☒ | Apparatus and method for using database knowledge to optimize a computer program | 717/151 |
| 3 | US 20030 19579 3 A1 | ☒ | Automated online design and analysis of marketing research activity and data | 705/10 |
| 4 | US 20030 13666 3 A1 | ☒ | Method and apparatus for monitoring plasma processing operations | 204/192 .13 |
| 5 | US 20030 10995 9 A1 | ☒ | Device for controlling robot behavior and method for controlling it | 700/245 |
| 6 | US 20030 02972 0 A1 | ☒ | Method & apparatus for monitoring plasma processing operations | 204/298 .01 |
| 7 | US 20030 02481 0 A1 | ☒ | Method & apparatus for monitoring plasma processing operations | 204/298 .01 |
| 8 | US 20030 01984 0 A1 | ☒ | Method & apparatus for monitoring plasma processing operations | 216/60 |
| 9 | US 20020 19667 8 A1 | ☒ | Eliminating store/restores within hot function prolog/epilogs using volatile regosters | 365/200 |
| 10 | US 20020 13381 0 A1 | ☒ | Method for hybrid processing of software instructions of an emulated computer system | 717/138 |
| 11 | US 20020 09375 0 A1 | ☒ | Modulation system | 360/29 |
| 12 | US 20020 08564 4 A1 | ☒ | Modulation system | 375/271 |
| 13 | US 20020 05093 5 A1 | ☒ | Modulation method, modulator, transmission apparatus and recording medium | 341/58 |
| 14 | US 65057 78 B1 | ☒ | Optical reader with selectable processing characteristics for reading data in multiple formats | 235/462 .25 |
| 15 | US 64929 20 B2 | ☒ | Modulation method, modulator, transmission apparatus and recording medium | 341/106 |
| 16 | US 64697 13 B2 | ☒ | Method, system and computer program product for dynamic language switching via messaging | 345/740 |
| 17 | US 64198 01 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 204/192 .13 |
| 18 | US 63834 02 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 216/60 |
| 19 | US 63697 24 B1 | ☒ | Modulating apparatus and method, demodulating apparatus and method, and transmission medium | 341/59 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 20 | US 63409 38 B1 | ☒ | Demodulating device, demodulating method and supply medium with predetermined error length | 341/58 |
| 21 | US 62757 40 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 700/108 |
| 22 | US 62692 78 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 700/121 |
| 23 | US 62614 70 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 216/60 |
| 24 | US 62547 17 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 156/345 .24 |
| 25 | US 62464 73 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 356/316 |
| 26 | US 62237 55 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 134/1.1 |
| 27 | US 62216 79 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 438/7 |
| 28 | US 61928 26 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 118/723 AN |
| 29 | US 61782 88 B1 | ☒ | Reproduction device | 386/96 |
| 30 | US 61764 29 B1 | ☒ | Optical reader with selectable processing characteristics for reading data in multiple formats | 235/462 .25 |
| 31 | US 61699 33 B1 | ☒ | Method and apparatus for monitoring plasma processing operations | 700/121 |
| 32 | US 61653 12 A | ☒ | Method and apparatus for monitoring plasma processing operations | 156/345 .24 |
| 33 | US 61574 47 A | ☒ | Method and apparatus for monitoring plasma processing operations | 356/316 |
| 34 | US 61340 05 A | ☒ | Method and apparatus for monitoring plasma processing operations | 356/451 |
| 35 | US 61325 77 A | ☒ | Method and apparatus for monitoring plasma processing operations | 204/298 .32 |
| 36 | US 61239 83 A | ☒ | Method and apparatus for monitoring plasma processing operations | 427/10 |
| 37 | US 60903 02 A | ☒ | Method and apparatus for monitoring plasma processing operations | 216/60 |
| 38 | US 60773 86 A | ☒ | Method and apparatus for monitoring plasma processing operations | 156/345 .24 |
| 39 | US 60496 72 A | ☒ | Microprocessor with circuits, systems, and methods for operating with patch micro-operation codes and patch microinstruction codes stored in multi-purpose memory structure | 717/168 |
| 40 | US 59681 54 A | ☒ | Distributed priority arbitrating method and system in multi-point serial networks with different transmission rates | 710/119 |
| 41 | US 59371 85 A | ☒ | Method and system for device virtualization based on an interrupt request in a DOS-based environment | 703/24 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 42 | US 58023 67 A | ☒ | Method and system for transparently executing code using a surrogate process | 719/332 |
| 43 | US 58016 14 A | ☒ | Vehicle starting control device | 340/425 .5 |
| 44 | US 56733 15 A | ☒ | Method and system for software asset usage detection and management | 705/59 |
| 45 | US 53216 75 A | ☒ | Pit spacing in the servo field of an optical disk for speed and direction detection and data retrieval | 369/30. 2 |
| 46 | US 52008 22 A | ☒ | Arrangement for and method of processing data, especially for identifying and verifying airing of television broadcast programs | 725/22 |
| 47 | US 51990 83 A | ☒ | Image data processing method and system for giving identification labels to areas of connected black picture elements | 382/180 |
| 48 | US 51154 97 A | ☒ | Optically intraconnected computer employing dynamically reconfigurable holographic optical element | 712/200 |
| 49 | US 49964 68 A | ☒ | Automated guided vehicle | 318/587 |
| 50 | US 48476 77 A | ☒ | Video telecommunication system and method for compressing and decompressing digital color video data | 375/240 .01 |
| 51 | US 48462 97 A | ☒ | Automated guided vehicle | 180/169 |
| 52 | US 47904 02 A | ☒ | Automated guided vehicle | 180/169 |
| 53 | US 40978 07 A | ☒ | Automatic equalizing method and system | 375/232 |
| 54 | US 39480 54 A | ☐ | Steam turbine blade protection system and method especially for electric power plants | 60/660 |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 1 | JP 11212 798 A | ☐ | LANGUAGE PROCESSING METHOD, LANGUAGE PROCESSOR AND STORAGE MEDIUM RECORDED WITH LANGUAGE PROCESSING PROGRAM | |
| 2 | JP 06337 786 A | ☒ | METHOD OR DEVICE FOR CONVERTING EXECUTION INSTRUCTION GROUP | |
| 3 | EP 13168 87 A2 | ☒ | System and method for dynamically patching code | |
| 4 | EP 92659 6 A | ☒ | Instruction reordering method for reducing processor power consumption | |
| 5 | EP 30489 1 A | ☐ | Controlling system for computer input in multi-mode state - has input events e.g. from keyboard processed by various subroutines e.g. translation table | |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 1 | US 2003005871 1 A1 | ☐ | Method for integrating imperfect semiconductor memory devices in data processing apparatus | 365/200 |
| 2 | US 2001004746 9 A1 | ☐ | Emptying packed data state during execution of packed data instructions | 712/229 |
| 3 | US 6266686 B1 | ☐ | Emptying packed data state during execution of packed data instructions | 708/204 |
| 4 | US 6188720 B1 | ☐ | Modulation and signaling converter | 375/222 |
| 5 | US 6170997 B1 | ☐ | Method for executing instructions that operate on different data types stored in the same single logical register file | 712/217 |
| 6 | US 6002881 A | ☐ | Coprocessor data access control | 712/34 |
| 7 | US 5940859 A | ☐ | Emptying packed data state during execution of packed data instructions | 711/147 |
| 8 | US 5893157 A | ☐ | Blocking symbol control in a computer system to serialize accessing a data resource by simultaneous processor requests | 711/150 |
| 9 | US 5857096 A | ☐ | Microarchitecture for implementing an instruction to clear the tags of a stack reference register file | 712/229 |
| 10 | US 5852726 A | ☐ | Method and apparatus for executing two types of instructions that specify registers of a shared logical register file in a stack and a non-stack referenced manner | 712/200 |
| 11 | US 5835748 A | ☐ | Method for executing different sets of instructions that cause a processor to perform different data type operations on different physical registers files that logically appear to software as a single aliased register file | 712/217 |
| 12 | US 5778211 A | ☐ | Emulating a delayed exception on a digital computer having a corresponding precise exception mechanism | 703/26 |
| 13 | US 5701508 A | ☐ | Executing different instructions that cause different data type operations to be performed on single logical register file | 712/23 |
| 14 | US 4875154 A | ☐ | Microcomputer with disconnected, open, independent, bimemory architecture, allowing large interacting, interconnected multi-microcomputer parallel systems accomodating multiple levels of programmer defined heirarchy | 712/38 |

| | L # | Hits | Search Text | DBs |
|---|---|---|---|---|
| 1 | L5 | 6551 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | USPAT; US-PGPUB |
| 2 | L7 | 1504 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | EPO; JPO; DERWENT; IBM_TDB |
| 3 | L8 | 24 | 7 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | EPO; JPO; DERWENT; IBM_TDB |
| 4 | L6 | 116 | 5 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | USPAT; US-PGPUB |
| 5 | L9 | 413091 | (identif$6 detect$3 determin$3) near10 (program application instruction code microcode microinstruction routine call subroutine) | USPAT; US-PGPUB |
| 6 | L12 | 150826 | (identif$6 detect$3 determin$3) near10 (program application instruction code microcode microinstruction routine call subroutine) | EPO; JPO; DERWENT; IBM_TDB |
| 7 | L11 | 54 | 9 adj50 ((dynamic$5 run) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) | USPAT; US-PGPUB |
| 8 | L13 | 5 | 12 adj50 ((dynamic$5 run) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) | EPO; JPO; DERWENT; IBM_TDB |
| 9 | L14 | 39570 | ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | USPAT; US-PGPUB |
| 10 | L15 | 14 | 14 adj50 ((dynamic$5 run runtime execut$3) near10 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine))) not (6 11) | USPAT; US-PGPUB |
| 11 | L22 | 130733 | (identif$6 detect$3 determin$3 check$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 unable disabl$3 unavailable available) (hardware device function$5 module unit element))) | USPAT; US-PGPUB |
| 12 | L24 | 475 | 22 adj50 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | USPAT; US-PGPUB |
| 13 | L27 | 45404 | (identif$6 detect$3 determin$3 check$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) (hardware device function$5 module unit element))) | EPO; JPO; DERWENT; IBM_TDB |
| 14 | L28 | 84 | 27 adj50 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) not (8 13) | EPO; JPO; DERWENT; IBM_TDB |
| 15 | L26 | 139 | 24 and ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)).ab,ti. not (6 11) | USPAT; US-PGPUB |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 1 | JP 2003242757 A | ☐ | DISK PLAYBACK DEVICE | |
| 2 | JP 2002006891 A | ☒ | DEVICE FOR IMPROVING SOUND SIGNAL QUALITY | |
| 3 | JP 2001344185 A | ☒ | INFORMATION PROCESSING DEVICE AND I/O EMULATION CONTROL METHOD | |
| 4 | JP 2001285462 A | ☒ | DEVICE FOR RECORDING AND REPRODUCING VOICE COMMUNICATION | |
| 5 | JP 2001283012 A | ☒ | DATA DISPLAY DEVICE | |
| 6 | JP 2001188676 A | ☒ | DATA-DRIVEN TYPE COMPUTER, AND DATA-DRIVEN TYPE COMPUTER SYSTEM | |
| 7 | JP 2001184341 A | ☒ | COMPILER AND RECORDING MEDIUM | |
| 8 | JP 2001135019 A | ☒ | OPTICAL DISK RECORDING/REPRODUCING DEVICE | |
| 9 | JP 2000344055 A | ☒ | REMOTE CONTROL DEVICE FOR ON-VEHICLE EQUIPMENT | |
| 10 | JP 2000287285 A | ☒ | REMOTE CONTROL RECEIVER | |
| 11 | JP 2000259427 A | ☒ | PROGRAM CONVERTER | |
| 12 | JP 2000215039 A | ☒ | PROGRAM GENERATING DEVICE BASED UPON RULE, PROGRAM GENERATING METHOD, AND RECORDING MEDIUM WHERE PROGRAM FOR PROGRAM GENERATION IS RECORDED | |
| 13 | JP 2000104606 A | ☒ | AUTOMATIC CONTROL DEVICE FOR LOW IDLE SPEED OF ENGINE | |
| 14 | JP 2000042268 A | ☒ | EMBROIDERY PUNCHING METHOD | |
| 15 | JP 10254967 A | ☒ | DATA DISPLAY DEVICE_ | |
| 16 | JP 10232782 A | ☒ | PROGRAM LOADING DEVICE FOR EMULATOR FOR MICROCOMPUTER | |
| 17 | JP 10149237 A | ☒ | SEMICONDUCTOR CIRCUIT | |
| 18 | JP 10011468 A | ☒ | VOICE OUTPUT CONTROLLER | |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 19 | JP 08180 264 A | ☒ | BURGLAR PREVENTING DEVICE FOR VEHICLE | |
| 20 | JP 08123 919 A | ☒ | NONCONTACT IC CARD SYSTEM AND COMMUNICATION METHOD THEREOF | |
| 21 | JP 07168 659 A | ☒ | FUNCTION SETTING DEVICE | |
| 22 | JP 07143 074 A | ☒ | TRANSMISSION CODE ERROR COMPENSATING DEVICE | |
| 23 | JP 06339 583 A | ☒ | TOY ASSEMBLY SET EQUIPPED WITH ELEMENT WHICH OFFERS POSITIONAL INFORMATION | |
| 24 | JP 06111 137 A | ☒ | MERCHANDISE SALES REGISTERING DATA PROCESSOR | |
| 25 | JP 05181 684 A | ☒ | COMPILER | |
| 26 | JP 05095 351 A | ☒ | SCRAMBLER AND ITS DESCRAMBLER | |
| 27 | JP 05081 014 A | ☒ | DEVICE FOR CORRECTING MICROINSTRUCTION HAVING ERROR | |
| 28 | JP 02112 083 A | ☒ | PORTABLE SCANNING DEVICE PROVIDED WITH MONITORING TAG INACTIVATING FUNCTION | |
| 29 | JP 02076 047 A | ☒ | CIRCUIT FOR DETECTING UNDEFINED ADDRESS AREA CALLING | |
| 30 | JP 01259 450 A | ☒ | DOCUMENT PROCESSOR | |
| 31 | JP 01084 964 A | ☒ | SYSTEM FOR SUBSTITUTE RESPONSE | |
| 32 | JP 01068 805 A | ☒ | PROCESS CONTROLLER | |
| 33 | JP 63024 425 A | ☒ | TEST COMPREHENSIVE STATE DETECTION SYSTEM | |
| 34 | JP 62248 039 A | ☒ | CONTROL PROGRAM ANALYZER | |
| 35 | JP 62160 558 A | ☒ | METHOD FOR CHECKING FUNCTION OF TRANSMISSION CONTROL PROCEDURE IMPLEMENTING SOFTWARE | |
| 36 | JP 62079 141 A | ☒ | AUTOMATIC PAPER FEEDER | |
| 37 | JP 58077 336 A | ☒ | LINE SWITCHING SYSTEM IN ON-LINE SYSTEM | |
| 38 | JP 57143 640 A | ☒ | DATA PROCESSING DEVICE | |
| 39 | EP 12110 78 A1 | ☒ | Thermal monitoring system for determining nozzle health | |
| 40 | WO 17553 5 A2 | ☒ | METHOD FOR CONTROLLING MECHANISMS AND TECHNICAL SYSTEMS, A CORRESPONDING DEVICE AND CONTROL SOFTWARE | |
| 41 | EP 92659 4 A1 | ☒ | Method of using primary and secondary processors | |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 42 | WO 99050 15 A2 | ☒ | LOCOMOTIVE REMOTE CONTROL SYSTEM | |
| 43 | EP 74364 2 A2 | ☒ | Data recording/reproducing apparatus corresponding to a plurality of error correcting system and a data recording medium | |
| 44 | EP 68140 3 A1 | ☒ | Coupling device for coupling a terminal to a generating device, system and methods. | |
| 45 | EP 29428 7 A2 | ☒ | Fault-tolerant, error-correcting storage system. | |
| 46 | EP 23902 3 A1 | ☒ | Arrangement for processing branch instructions in pipelined data-processing systems. | |
| 47 | EP 21338 3 A1 | ☒ | Method and device for monitoring the operation of optical smoke detectors. | |
| 48 | EP 14928 4 A1 | ☒ | Method for locating faults. | |
| 49 | US 20030 20470 5 A | ☒ | Data processing apparatus in computer system, has prefetch unit to retrieve instructions in determined target address, when predetermined software code branch operation is predicted to cause change in instruction flow | |
| 50 | WO 20030 85667 A | ☒ | Channel code generating method for recording devices e.g. coders, involves determining running digital sum of stream of output words, and replacing sequence of Q m-bit code words by sequence of Q m-bit replacement code words | |
| 51 | TW 53505 5 A | ☒ | Application program with self-detection and self-repairing functions - preventing damages from computer virus to the application program | |
| 52 | WO 20018 3007 A | ☒ | Closed loop system for controlling administration of medication to patient, comprises sensor package, medication delivery unit, and medication delivery controller | |
| 53 | KR 20010 75799 A | ☒ | Chain type portable locking device | |
| 54 | JP 20011 75921 A | ☒ | Paper sheet processing system for record book, compares code of current record book with code of previous record book, and accordingly changes information of previous record book to current record book | |
| 55 | RU 21288 49 C | ☒ | Radioisotope altimeter | |
| 56 | US 57373 62 A | ☒ | Code tracking loop in receiver double delay locked loop code tracking system - has code generating unit and correlation unit to provide loop for spreading linear section of energy detecting area, and using difference of preceding time code and delayed time code, according to receiver environment change | |
| 57 | EP 71899 8 A | ☒ | De-spread code phase detector for SS receiver having RAKE synthesising demodulating function - uses search correlator to obtain correlation results of pilot signal subjected to spread spectrum demodulation and de-spread code while sequentially change latter | |
| 58 | JP 07219 781 A | ☒ | Program translation device transforms program to intermediate expression, replaces temporary variable in expression with address variable, detects replaced sentence and deletes replaced sentence to generate object code | |
| 59 | US 53455 67 A | ☒ | Modifying program status word system mask, access key, and address space code system with overlap enabled - has register device coupled to execution unit and to queue device for storing standardised program status word, which is program status word in subsystem | |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 60 | GB 2274527 A | ☒ | Microprocessor for parallel processing of multiple instructions - executes successive instructions in processing unit when parallel processing of branch instruction and other instruction in one cycle | |
| 61 | EP 551972 A | ☒ | Automatic train controller - uses line section repeaters transmitting reference control characteristic to train plus modifications for other train types | |
| 62 | JP 05102953 A | ☒ | Bit synchronising device - has edge detection routine for counting number of sampling pulses until bit synchronous signal in reception signal attains each code change point NoAbstract | |
| 63 | JP 05029950 A | ☒ | Code quantity control device to transmit coded moving image - determines step size according to accumulated surplus code quantity and surplus code quantity at present frame to eliminate change useless step size NoAbstract | |
| 64 | GB 2257370 A | ☒ | Inflatable bouncing play device e.g. bouncing castles - comprises inflatable framework with uninflated regions spanning framework for use in erected state | |
| 65 | JP 04291826 A | ☒ | Code transferring device sending coded result having identification code - conserves high transferring efficiency by making data quantity generated against performance change of information source small NoAbstract | |
| 66 | EP 494525 A | ☒ | Telephone with calling line identification - comprises memory storing telephone numbers together with associated operating instruction and interrupts normal operation correspondingly | |
| 67 | EP 483455 A | ☒ | Single request arbitration for common data bus - determines if only one communication module is contending for bus and gives access within two bus clocks | |
| 68 | EP 469239 A | ☒ | Detection and correction appts. for faulty processor operational codes - detects faulty instructions using logic nor circuit and replaces them with error-free micro-code from programmable array | |
| 69 | GB 2230119 A | ☒ | Conditional execution speed-up on synchronising instructions - involves replacement of synchronisation instruction with null instruction where followed by floating point instruction | |
| 70 | DE 3924901 C | ☒ | Automatic film rewinder for photographic camera - has sensor for presence of film, device for sensing length of rewound film using frame and perforation counters | |
| 71 | GB 2221321 A | ☒ | Disabling indicator unit for electronically controlled camera - includes mechanism to disable power supply, in non-picture taking state, when detector fails to sense film in camera | |
| 72 | FR 2633733 A | ☒ | Auto-focus zoom photographic camera with electronic control - has actuated by electric motor taking lens and automatically moved from macro to zoom position according to subject range | |
| 73 | DE 3921618 A | ☒ | Zoom lens position detector esp. for automatic camera - provides digital signal read=out from servo driven encoder to supply microcomputer and control system | |
| 74 | EP 327950 A | ☒ | Addressing memory in excess of size of instruction operand - extending access memory from control instruction giving greater memory access range without increasing area of ROM | |
| 75 | EP 297890 A | ☒ | Data processor fault condition response system - generates boolean valve indicating operation validity for storage at predetermined register position to initiate fault condition signal | |
| 76 | WO 8701835 A | ☒ | Secure computer system with screw terminal and keyboard - display information on screw from which code can be derived when system code required to initiate or regain access | |
| 77 | EP 210640 A | ☒ | Input-output control system for virtual machine system - allows switching during VM run, between direct and indirect I-O execution modes | |
| 78 | EP 207666 A | ☒ | Moving string of bytes instruction in reduced instruction set computer - using compiler to generate optimised sequences instead of hardware to perform operations and pre-compute operands | |
| 79 | DE 3509562 A | ☒ | Anti-theft protection for car radio - prevents operation of radio upon its removal until input of correct code word | |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 80 | DE 36847 88 G | ⊠ | Correction of multiple errors in data word - using complement and retry technique to locate hard faults with subsequent repeated change of bits to remove error | |
| 81 | SU 11985 18 A | ⊠ | Random binary number generator with accurate output - has freq. divider at inputs of delay elements taken to binary counter, rest input of up=down counter to non-equivalence elements | |
| 82 | EP 10496 3 A | ⊠ | Delta modulation system for television signals - uses two sets of quantisation characteristics allowing for sharp contrast differences between two image points | |
| 83 | EP 59018 A | ⊠ | Multi-programmed data processing system with dynamic task assignment - requiring no centralised interrogation of all data processing devices | |
| 84 | BE 88909 0 A | ⊠ | Electromagnetic lock with magnetic key and detectors in barrel - uses key container magnetised cylinder to correspond to magnetic detectors in barrel and relays to connect inputs to logic circuit | |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 1 | US 2004006866 2 A1 | ☐ | System and method having an antivirus virtual scanning processor with plug-in functionalities | 713/200 |
| 2 | US 2004006460 4 A1 | ☒ | Filter driver for blocking access by host to devices | 710/36 |
| 3 | US 2004005024 4 A1 | ☒ | Gas pressure actuator capable of stably driving and controlling its slider, and method for controlling the gas pressure actuator | 91/363R |
| 4 | US 2004004680 6 A1 | ☒ | Task based polymorphic graphical program function nodes | 345/853 |
| 5 | US 2004004679 6 A1 | ☒ | Visual field changing method | 345/767 |
| 6 | US 2004002956 5 A1 | ☒ | Voice response unit, method thereof and telephone communication system | 455/411 |
| 7 | US 2004002034 8 A1 | ☒ | Musical composition data editing apparatus, musical composition data distributing apparatus, and program for implementing musical composition data editing method | 84/609 |
| 8 | US 2004001977 0 A1 | ☒ | Optimization apparatus, compiler program, optimization method and recording medium | 712/227 |
| 9 | US 2004001976 6 A1 | ☒ | Program translator and processor | 712/23 |
| 10 | US 2003023702 8 A1 | ☒ | Method and a system for evaluating the reliability of a program in an electronic device, and an electronic device | 714/38 |
| 11 | US 2003023318 5 A1 | ☒ | Gear-shift control apparatus for automatic transmission and gear-shift control method | 701/55 |
| 12 | US 2003019563 9 A1 | ☒ | Custom function blocks for use with process control systems | 700/19 |
| 13 | US 2003018801 8 A1 | ☒ | Technique to accelerate learning rate on linearly sorted lookup tables for high speed switches/routers | 709/242 |
| 14 | US 2003015873 0 A1 | ☒ | Method and apparatus for embedding data in and extracting data from voice code | 704/222 |
| 15 | US 2003015407 3 A1 | ☒ | Method, apparatus and system for embedding data in and extracting data from encoded voice code | 704/207 |
| 16 | US 2003014275 7 A1 | ☒ | Modulation apparatus/method, demodulation apparatus/method and program presenting medium | 375/295 |
| 17 | US 2003011739 1 A1 | ☒ | SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR REAL-TIME SHADING OF COMPUTER GENERATED IMAGES | 345/419 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 18 | US 20030 10143 1 A1 | ☒ | System and method for dynamically replacing code | 717/111 |
| 19 | US 20030 09377 6 A1 | ☒ | Memory address prediction under emulation | 717/138 |
| 20 | US 20030 08885 7 A1 | ☒ | Method for facilitating application development | 717/137 |
| 21 | US 20030 05111 9 A1 | ☒ | Scheme for implementing breakpoints for on-chip ROM code patching | 711/210 |
| 22 | US 20030 04081 4 A1 | ☒ | Method for controlling mechanisms and technical systems a corresponding device and control software | 700/42 |
| 23 | US 20030 03359 2 A1 | ☒ | Software debugger and software development support system | 717/128 |
| 24 | US 20030 02396 4 A1 | ☒ | System and method for compacting field upgradeable wireless communication device software code sections | 717/172 |
| 25 | US 20030 00515 8 A1 | ☒ | Distributed program relocation for a computer system | 709/245 |
| 26 | US 20020 17837 5 A1 | ☒ | Method and system for protecting against malicious mobile code | 713/200 |
| 27 | US 20020 14771 8 A1 | ☒ | System and method for optimization of shared data | 707/8 |
| 28 | US 20020 11888 6 A1 | ☒ | Video transmission and receiving method and apparatus using radio communication instrument | 382/250 |
| 29 | US 20020 09193 4 A1 | ☒ | Detection of decryption to identify encrypted virus | 713/188 |
| 30 | US 20020 07836 8 A1 | ☒ | Detection of polymorphic virus code using dataflow analysis | 713/200 |
| 31 | US 20020 07332 3 A1 | ☒ | Detection of suspicious privileged access to restricted computer resources | 713/188 |
| 32 | US 20020 06582 2 A1 | ☒ | Structured document compressing apparatus and method, record medium in which a structured document compressing program is stored, structured document decompressing apparatus and method, record medium in which a structured document decompressing program is stored, and structured document processing system | 707/7 |
| 33 | US 20020 06411 6 A1 | ☒ | Information recording apparatus | 369/53. 37 |
| 34 | US 20020 06374 5 A1 | ☒ | Thermal monitoring system for determining nozzle health | 347/19 |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 35 | US 20020057382 A1 | ⊠ | Television signal reception apparatus | 348/731 |
| 36 | US 20020026596 A1 | ⊠ | Circuit and method of generating process clock for low power consumption CDMA modem chip design | 713/322 |
| 37 | US 20010007125 A1 | ⊠ | Computer system with debug facility | 712/226 |
| 38 | US 20010007124 A1 | ⊠ | Program modification device | 711/165 |
| 39 | US 6715051 B2 | ⊠ | Program modification device | 711/165 |
| 40 | US 6715043 B1 | ⊠ | Method and system for providing memory-based device emulation | 711/154 |
| 41 | US 6715036 B1 | ⊠ | Method, system, and data structures for transferring blocks of data from a storage device to a requesting application | 711/118 |
| 42 | US 6711667 B1 | ⊠ | Microprocessor configured to translate instructions from one instruction set to another, and to store the translated instructions | 712/35 |
| 43 | US 6698013 B1 | ⊠ | Real time monitoring system for tracking and documenting changes made by programmer's during maintenance or development of computer readable code on a line by line basis and/or by point of focus | 717/127 |
| 44 | US 6678666 B1 | ⊠ | Method of conducting anti-fraud electronic bank security transactions having price-date-time variables and calculating apparatus thereof | 705/66 |
| 45 | US 6677866 B2 | ⊠ | Modulation apparatus/method, demodulation apparatus/method and program presenting medium | 341/59 |
| 46 | US 6668373 B1 | ⊠ | System, apparatus and method for expanding the range of decimal numbers of any length in existing data bases and computer programs | 717/159 |
| 47 | US 6665671 B2 | ⊠ | System and method for optimization of shared data | 707/8 |
| 48 | US 6658645 B1 | ⊠ | METHOD FOR AUTOMATICALLY GENERATING CORRECTED PROGRAM INHERITED PROGRAM, AUTOMATIC PROGRAM GENERATION APPARATUS, AND STORAGE MEDIUM STORING PROGRAM FOR AUTOMATICALLY GENERATING CORRECTED PROGRAM INHERITED PROGRAM | 717/106 |
| 49 | US 6658560 B1 | ⊠ | Program translator and processor | 712/245 |
| 50 | US 6657624 B2 | ⊠ | System, method, and computer program product for real-time shading of computer generated images | 345/426 |
| 51 | US 6626756 B2 | ⊠ | Amusement game system and a computer-readable storage medium | 463/4 |
| 52 | US 6606379 B2 | ⊠ | Methods and systems for collapsing signal transfer point (STP) infrastructure in a signaling network | 379/221.1 |
| 53 | US 6604193 B1 | ⊠ | Processor in which register number translation is carried out | 712/228 |
| 54 | US 6496541 B1 | ⊠ | Modulation apparatus/method, demodulation apparatus/method and program presenting medium | 375/253 |
| 55 | US 6467084 B1 | ⊠ | Systems and methods for reprogramming an embedded device with program code using relocatable program code | 717/136 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 56 | US 64609 64 B2 | ☒ | Thermal monitoring system for determining nozzle health | 347/19 |
| 57 | US 64387 30 B1 | ☒ | RTL code optimization for resource sharing structures | 716/1 |
| 58 | US 64258 22 B1 | ☒ | Music game machine with selectable controller inputs | 463/7 |
| 59 | US 64112 22 B1 | ☒ | Method of signalling a structure of a code stream | 341/50 |
| 60 | US 64011 37 B1 | ☒ | Method, apparatus, and article of manufacture for processing a virtual call in a multi-threaded program | 719/315 |
| 61 | US 63570 08 B1 | ☒ | Dynamic heuristic method for detecting computer viruses using decryption exploration and evaluation phases | 713/200 |
| 62 | US 63492 02 B1 | ☒ | Method of storing and transmitting markup language documents in a mobile radio communications system | 455/412 .1 |
| 63 | US 63345 72 B1 | ☒ | Bar-code reader | 235/462 .27 |
| 64 | US 63336 84 B1 | ☒ | Security device for portable computer and method thereof | 340/7.2 |
| 65 | US 63305 49 B1 | ☒ | Protected shareware | 705/51 |
| 66 | US 62304 79 B1 | ☒ | Method of controlling load on power plant and load control system for carrying out the same | 60/773 |
| 67 | US 62224 77 B1 | ☒ | Cascade A/D converter | 341/161 |
| 68 | US 62198 33 B1 | ☒ | Method of using primary and secondary processors | 717/149 |
| 69 | US 62018 16 B1 | ☒ | Token ring speed detection | 370/452 |
| 70 | US 61925 17 B1 | ☒ | Method, apparatus, and product for improved garbage collection in a memory system through the removal of reference conflicts | 717/154 |
| 71 | US 61897 94 B1 | ☒ | Bar code reader determining unit for determining the true changing point and correcting unit for correcting the false changing point to correct changing point | 235/462 .27 |
| 72 | US 61122 80 A | ☒ | Method and apparatus for distinct instruction pointer storage in a partitioned cache memory | 711/129 |
| 73 | US RE368 22 E | ☒ | Moving image signal coding apparatus and coded signal decoding apparatus | 382/236 |
| 74 | US 61014 68 A | ☒ | Apparatuses and methods for training and operating speech recognition systems | 704/251 |
| 75 | US 60920 43 A | ☒ | Apparatuses and method for training and operating speech recognition systems | 704/251 |
| 76 | US 60818 86 A | ☒ | Holding mechanism for changing operation modes in a pipelined computer | 712/229 |
| 77 | US 60730 97 A | ☒ | Speech recognition system which selects one of a plurality of vocabulary models | 704/251 |
| 78 | US 60473 67 A | ☒ | Microprocessor with improved out of order support | 712/23 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 79 | US 60471 25 A | ☒ | Garbage collection system for improved use of memory by removal of reference conflicts | 717/148 |
| 80 | US 60354 33 A | ☒ | Data recording/reproducing apparatus corresponding to a plurality of error correcting system and a data recording medium | 714/764 |
| 81 | US 60264 80 A | ☒ | Processor having bug avoidance function and method for avoiding bug in processor | 712/37 |
| 82 | US 59960 71 A | ☒ | Detecting self-modifying code in a pipelined processor with branch processing by comparing latched store address to subsequent target address | 712/238 |
| 83 | US 59565 10 A | ☒ | Apparatus and method for revising computer program code | 717/137 |
| 84 | US 59434 93 A | ☒ | Retargetable VLIW computer architecture and method of executing a program corresponding to the architecture | 712/228 |
| 85 | US 59271 13 A | ☒ | Combination lock with code protection device | 70/312 |
| 86 | US 59179 42 A | ☒ | Device and method for handwriting recognition with adaptive weighting of recognition data | 382/189 |
| 87 | US 59077 08 A | ☒ | System and method for facilitating avoidance of an exception of a predetermined type in a digital computer system by providing fix-up code for an instruction in response to detection of an exception condition resulting from execution thereof | 712/244 |
| 88 | US 58988 97 A | ☒ | Bit stream signal feature detection in a signal processing system | 710/68 |
| 89 | US 58976 33 A | ☒ | System for converting programs and databases to correct year 2000 processing errors | 707/6 |
| 90 | US 58963 55 A | ☒ | Data recording/reproducing apparatus corresponding to a plurality of error correcting system and a data recording medium | 369/47. 24 |
| 91 | US 58619 05 A | ☒ | Digital television system with artificial intelligence | 725/67 |
| 92 | US 58549 32 A | ☒ | Compiler and method for avoiding unnecessary recompilation | 717/116 |
| 93 | US 58506 27 A | ☒ | Apparatuses and methods for training and operating speech recognition systems | 704/231 |
| 94 | US 58449 90 A | ☒ | Transmission-reception system | 380/262 |
| 95 | US 58095 00 A | ☒ | System for converting programs and databases to correct year 2000 processing errors | 707/6 |
| 96 | US 57817 50 A | ☒ | Dual-instruction-set architecture CPU with hidden software emulation mode | 712/209 |
| 97 | US 57782 11 A | ☒ | Emulating a delayed exception on a digital computer having a corresponding precise exception mechanism | 703/26 |
| 98 | US 57708 94 A | ☒ | Parallel processing method having arithmetical conditions code based instructions substituted for conventional branches | 717/149 |
| 99 | US 57646 58 A | ☒ | Data receiving apparatus and method | 714/752 |
| 100 | US 57517 43 A | ☒ | Information transmission method and apparatus | 714/774 |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 101 | US 5748784 A | ☒ | Moving image signal coding apparatus and coded signal decoding apparatus | 382/236 |
| 102 | US 5742794 A | ☒ | Emulation techniques for computer systems having mixed processor/software configurations | 703/26 |
| 103 | US 5737362 A | ☒ | Delay-locked loop code tracking system for receiver of a code spread communication system | 375/149 |
| 104 | US 5734571 A | ☒ | Method for modifying data loaded into memory cells of an electronic postage meter machine | 705/400 |
| 105 | US 5692168 A | ☒ | Prefetch buffer using flow control bit to identify changes of flow within the code stream | 712/237 |
| 106 | US 5661469 A | ☒ | Coupling device, system, and method for coupling a terminal to a generating device | 340/825.53 |
| 107 | US 5634137 A | ☒ | Method and apparatus for updating system configuration based on open/closed state of computer housing cover | 710/10 |
| 108 | US 5619702 A | ☒ | Method and apparatus for programming registers using simplified commands | 717/151 |
| 109 | US 5614960 A | ☒ | Image data encoding method and device, image data reconstructing method and device, scene change detecting method and device, scene change recording device, and image data scene change record/regenerating device | 348/700 |
| 110 | US 5596691 A | ☒ | Computer system and method for manipulating the display of drawings | 345/440 |
| 111 | US 5579511 A | ☒ | Method and apparatus for checking the integrity of a complex computer installation used in the flight control of an aircraft | 703/27 |
| 112 | US 5574873 A | ☒ | Decoding guest instruction to directly access emulation routines that emulate the guest instructions | 712/200 |
| 113 | US 5566286 A | ☒ | Method and apparatus for verifying dimensional values of a drawing | 345/589 |
| 114 | US 5521364 A | ☒ | Product-selling-data processing apparatus having function for administering sales of article sold by the bundle and its method | 235/383 |
| 115 | US 5511194 A | ☒ | Processing system and processing method capable of dynamically replacing job environment | 718/104 |
| 116 | US 5481684 A | ☒ | Emulating operating system calls in an alternate instruction set using a modified code segment descriptor | 712/212 |
| 117 | US 5450613 A | ☒ | Mobile communications equipment which detects and notifies when it is moved into or out of a service area | 455/517 |
| 118 | US 5430862 A | ☒ | Emulation of CISC instructions by RISC instructions using two pipelined stages for overlapped CISC decoding and RISC execution | 703/26 |
| 119 | US 5290109 A | ☒ | Electronic typewriter for printing of documents having a fixed format | 400/68 |
| 120 | US 5262622 A | ☒ | Bar code reader | 235/449 |
| 121 | US 5247691 A | ☒ | System for releasing suspended execution of scalar instructions following a wait instruction immediately upon change of vector post pending signal | 712/3 |
| 122 | US 5235169 A | ☒ | Bar code label and bar code reader | 235/462.01 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 123 | US 51897 31 A | ☒ | Character processing system having editing function | 715/524 |
| 124 | US 51685 60 A | ☒ | Microprocessor system private split cache tag stores with the system tag store having a different validity bit for the same data line | 711/123 |
| 125 | US 51092 21 A | ☒ | Remote control system for door locks | 340/5.2 2 |
| 126 | US 49954 72 A | ☒ | Steering controlling device for wheel crane | 180/234 |
| 127 | US 49317 23 A | ☒ | Automatic test system having a "true tester-per-pin" architecture | 714/730 |
| 128 | US 46944 19 A | ☒ | Programmable controller with direct to plant addressing | 700/23 |
| 129 | US 46852 90 A | ☒ | Engine control with function to eliminate minute particles in exhaust gas | 60/274 |
| 130 | US 46213 42 A | ☒ | Arbitration circuitry for deciding access requests from a multiplicity of components | 710/111 |
| 131 | US 45548 09 A | ☒ | Combination locking device for suitcases | 70/312 |
| 132 | US 42544 61 A | ☒ | Method and apparatus for determining linking addresses for microinstructions to be executed in a control memory of a data-processing system | 712/230 |
| 133 | US 41278 21 A | ☒ | Channel selecting apparatus with automatic rewriting of channel identifying codes in a memory | 455/182 .3 |
| 134 | US 41093 11 A | ☒ | Instruction execution modification mechanism for time slice controlled data processors | 712/226 |
| 135 | US 40794 20 A | ☒ | Channel selecting apparatus | 455/182 .3 |
| 136 | US 40487 29 A | ☒ | Electrical teaching system | 434/320 |
| 137 | US 39341 21 A | ☒ | Counter means | 377/92 |
| 138 | US 36414 98 A | ☒ | KEYS FOR ELECTRONIC SECURITY APPARATUS | 235/487 |
| 139 | US 35852 79 A | ☒ | DEVICE FOR RECORDING CODED PULSES | 178/23R |

| | L # | Hits | Search Text | DBs |
|---|-----|------|-------------|-----|
| 1 | L5 | 6551 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | USPAT; US-PGPUB |
| 2 | L6 | 116 | 5 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | USPAT; US-PGPUB |
| 3 | L7 | 1504 | (identif$6 detect$3 determin$3) near10 ((program application instruction code microcode microinstruction routine call subroutine) near10 ((defect$3 fail$3 fault$3 unable disabl$3 unavailable available) near10 (hardware device function$5 module unit element))) | EPO; JPO; DERWENT; IBM_TDB |
| 4 | L8 | 24 | 7 near30 ((replac$5 substitut$3 modif$6 alter$3 chang$3 emulat$3 patch$3) near10 (instruction code microcode microinstruction routine subroutine)) | EPO; JPO; DERWENT; IBM_TDB |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 1 | JP 2002288000 A | ☐ | CALCULATOR SYSTEM CONTROLLING METHOD | |
| 2 | JP 05182336 A | ☐ | CONTROLLER FOR OPTICAL DISK AUTO-CHANGER | |
| 3 | JP 02138637 A | ☐ | FAULT MONITOR DEVICE | |
| 4 | JP 60196851 A | ☐ | DATA PROCESSOR | |
| 5 | JP 60072465 A | ☐ | STATE CHANGE NOTIFYING SYSTEM | |
| 6 | JP 58144914 A | ☐ | PROGRAMMABLE CONTROLLER | |
| 7 | EP 1316887 A2 | ☐ | System and method for dynamically patching code | |
| 8 | EP 1111504 A2 | ☐ | Compiler processing system for generating assembly program codes for a computer comprising a plurality of arithmetic units | |
| 9 | EP 1018848 A2 | ☐ | Channel information processing unit for a base station | |
| 10 | EP 917312 A2 | ☐ | Wavelength division multiplex optical transmission apparatus | |
| 11 | EP 469239 A2 | ☐ | Small programmable array associated to the on-chip control store for microcode correction. | |
| 12 | US 2003020871 0 A | ☐ | Failing instruction identifying method for use during testing of electronic components, involves executing boot sequence and changing clock cycle counter value until failure instruction is identified | |
| 13 | JP 2002032351 A | ☐ | Failure information generation system for parallel processor, searches reference code dictionary using RC search mode and search sequence number determined from a reference table | |
| 14 | JP 2001155481 A | ☐ | Memory control device e.g. for laser beam printer, has AND circuit with input terminal connected to one end of chip selection terminal and output terminal connected to one ROM during program development only | |
| 15 | US 6240633 B | ☐ | Electronic device manufacturing method involves generating replacement code in response to detected defect on workpiece, to control placement of subsequent components on workpiece | |
| 16 | JP 11127485 A | ☐ | Audio and data frame transmission system for multi-media service in personal digital cellular system - replaces audio and data frames when failure of frame synchronization is detected based on error correcting code | |
| 17 | EP 762136 A | ☐ | Paired line fault location device - uses induced coded signal which is detected by induction locator moved along route of line to detect fault by change in signal intensity | |
| 18 | US 5561760 A | ☐ | Localising field replaceable unit failures in electromechanical system - detecting element that produces Fault Symptom Code error data structures, combining probability with frequency that each FRU ID is in FSC to produce Weighted Failure Probability and reporting FRU with max. WFP as faulty | |
| 19 | EP 717001 A | ☐ | Flexible modulating thread winding cycle esp. in ring spinning machine - using thread thickness and defect detectors to initiate thread cutting, with thread presence detectors initiating thread joining and restarting | |

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| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 20 | JP 06189 472 A | ☐ | Power source monitoring control device for Karaoke entertainment management systems - has inverter stop instruction output part for giving barter stop command to stop operation of power source during power failure | |
| 21 | SU 16156 46 A | ☐ | PCB connector bundles assembly monitor - has commutators to connect test object to measuring unit | |
| 22 | EP 38124 6 A | ☐ | Pipeline microprocessor having instruction decoder unit - performs precedent decoding operation, produces decoded instruction with storage medium, and signal to initiate execution | |
| 23 | US 46355 08 A | ☐ | Safety control device for automatic transmission of motor vehicle - has fault condition detector for speed and load signals and gear change instructor receiving fault representation signal | |
| 24 | DE 30047 67 B | ☐ | Error detection system for digital transmission line - has ciphering circuit and alphabetic encoder for intermingling defective bits with message flow | |

| | Document ID | U | Title | Current OR |
|---|---|---|---|---|
| 1 | US 2004 078653 A1 | ☐ | Dynamic sparing during normal computer system operation | 714/13 |
| 2 | US 2004 039802 A1 | ☒ | Obtaining pieces of operating code for a network device from multiple sources | 709/222 |
| 3 | US 2004 025182 A1 | ☒ | Method, system and computer readable medium for a raido communication processing unit | 725/61 |
| 4 | US 2004 025165 A1 | ☒ | Systems and methods for extending operating system functionality for an application | 719/310 |
| 5 | US 2004 022171 A1 | ☒ | Recording medium for storing defect management information for recording real time data, defect managing method therefor, and real time data recording method | 369/275.3 |
| 6 | US 2004 022148 A1 | ☒ | Recording medium for storing defect management information for recording real time data, defect managing method therefor, and real time data recording method | 369/47.14 |
| 7 | US 2004 022147 A1 | ☒ | Recording medium for storing defect management information of recording real time data, defect managing method therefor, and real time data recording method | 369/47.14 |
| 8 | US 2004 022146 A1 | ☒ | Recording medium for storing defect management information for recording real time data, defect managing method therefor, and real time data recording method | 369/47.14 |
| 9 | US 2003 227389 A1 | ☒ | Smoke alarm and mounting kit | 340/628 |
| 10 | US 2003 196143 A1 | ☒ | Power-on state machine implementation with a counter to control the scan for products with hard-BISR memories | 714/30 |
| 11 | US 2003 161032 A1 | ☒ | Optical communication system and component control architectures and methods | 359/341.1 |
| 12 | US 2003 159056 A1 | ☒ | Method and system for securing enablement access to a data security device | 713/193 |
| 13 | US 2003 137409 A1 | ☒ | Vehicle antitheft device and program | 340/426.11 |
| 14 | US 2003 126907 A1 | ☒ | Failure diagnostic system for atmospheric pressure detecting device | 73/1.71 |
| 15 | US 2003 115420 A1 | ☒ | Methods and apparatus for implementing a chche replacement scheme | 711/133 |
| 16 | US 2003 101381 A1 | ☒ | System and method for virus checking software | 714/38 |
| 17 | US 2003 101330 A1 | ☒ | System and method for dynamically patching code | 712/32 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 18 | US 20030 09365 0 A1 | ☒ | System and method for decoding and executing program binaries | 712/209 |
| 19 | US 20030 05568 8 A1 | ☒ | Arrangement and method for supporting temporary replacement | 705/4 |
| 20 | US 20030 05122 0 A1 | ☒ | Logical circuit delay optimization system | 716/12 |
| 21 | US 20030 04605 8 A1 | ☒ | Translation text management system | 704/7 |
| 22 | US 20030 03359 3 A1 | ☒ | Dynamic execution layer interface for explicitly or transparently executing application or system binaries | 717/138 |
| 23 | US 20030 00976 8 A1 | ☒ | Television system | 725/112 |
| 24 | US 20020 19697 9 A1 | ☒ | Automatically extracting graphical bar codes | 382/190 |
| 25 | US 20020 17185 6 A1 | ☒ | Method for automatically detecting and processing binary postscript print jobs | 358/1.1 3 |
| 26 | US 20020 13357 6 A1 | ☒ | System with a server for verifying new components | 709/221 |
| 27 | US 20020 11220 0 A1 | ☒ | Automated analysis of kernel and user core files including searching, ranking, and recommending patch files | 714/38 |
| 28 | US 20020 10586 8 A1 | ☒ | Recording medium for storing defect management information for recording real time data, defect managing method therefor, and real time data recording method | 369/47. 14 |
| 29 | US 20020 09562 5 A1 | ☒ | Identifying field replaceable units responsible for faults detected with processor timeouts utilizing IPL boot progress indicator status | 714/44 |
| 30 | US 20020 09389 4 A1 | ☒ | Apparatus and method of interrupt detection in an optical disc environment | 369/47. 25 |
| 31 | US 20020 07829 6 A1 | ☒ | Method and apparatus for resynchronizing paired volumes via communication line | 711/114 |
| 32 | US 20020 06247 9 A1 | ☒ | Microcontroller with modifiable program | 717/168 |
| 33 | US 20020 00127 2 A1 | ☒ | Recording defect substitution method for a disc-shaped recording medium, and a recording and reproducing apparatus for a dissc-shaped recording medium | 369/53. 17 |
| 34 | US 20010 04213 7 A1 | ☒ | Communications network system using gateway | 709/248 |

| | Docum ent ID | U | Title | Current OR |
|---|---|---|---|---|
| 35 | US 20010 03965 4 A1 | ☒ | Compiler processing system for generating assembly program codes for a computer comprising a plurality of arithmetic units | 717/160 |
| 36 | US 20010 03745 0 A1 | ☒ | System and method for process protection | 713/152 |
| 37 | US 20010 01891 8 A1 | ☒ | Systems and methods for preventing automatic identification of re-used single use devices | 128/897 |
| 38 | US 67253 96 B2 | ☒ | Identifying field replaceable units responsible for faults detected with processor timeouts utilizing IPL boot progress indicator status | 714/10 |
| 39 | US 66938 75 B1 | ☒ | Communication network system | 370/217 |
| 40 | US 66788 70 B2 | ☒ | Logical circuit delay optimization system | 716/6 |
| 41 | US 66746 97 B1 | ☒ | Apparatus for managing defects and recording and/or reproducing real time data | 369/47. 14 |
| 42 | US 66583 11 B1 | ☒ | Maintenance management system for press line | 700/95 |
| 43 | US 66474 37 B2 | ☒ | Method for automatically detecting and processing binary postscript print jobs | 710/14 |
| 44 | US 66432 32 B2 | ☒ | Recording medium for storing defect management information for recording real time data, defect managing method therefor, and real time data recording method | 369/47. 14 |
| 45 | US 65913 73 B1 | ☒ | Uniform configuration controller for replicated component systems | 714/7 |
| 46 | US 65888 73 B1 | ☒ | Printing apparatus and method | 347/23 |
| 47 | US 65804 39 B1 | ☒ | Graphical user interface for providing component relational information for a uniform configuration controller for replicated component systems | 345/735 |
| 48 | US 65785 79 B2 | ☒ | Systems and methods for preventing automatic identification of re-used single use devices | 128/897 |
| 49 | US 65781 58 B1 | ☒ | Method and apparatus for providing a raid controller having transparent failover and failback | 714/11 |
| 50 | US 65498 86 B1 | ☒ | System for lost packet recovery in voice over internet protocol based on time domain interpolation | 704/270 .1 |
| 51 | US 65494 99 B2 | ☒ | Recording defect substitution method for a disc-shaped recording medium, and a recording and reproducing apparatus for a disc-shaped recording medium | 369/53. 16 |
| 52 | US 65046 46 B1 | ☒ | Optical communication system and component control architectures and methods | 359/341 .1 |
| 53 | US 64964 55 B1 | ☒ | Recording defect substitution method for a disc-shaped recording medium, and a recording and reproducing apparatus for a disc-shaped recording medium | 369/47. 14 |
| 54 | US 64804 46 B1 | ☒ | Recording medium for storing defect management information for recording real time data, defect managing method therefor and real time data recording method | 369/47. 14 |
| 55 | US 64635 59 B1 | ☒ | Non-volatile fault indicator | 714/724 |
| 56 | US 63775 24 B1 | ☒ | Recording medium for storing defect management information for recording real time data, defect managing method therefor, and real time data recording method | 369/47. 14 |

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| 57 | US 63752 99 B1 | ☒ | Faulty ink ejector detection in an ink jet printer | 347/19 |
| 58 | US 63699 22 B1 | ☒ | Wavelength division multiplex optical transmission apparatus | 398/79 |
| 59 | US 63597 29 B1 | ☒ | Optical communication system and component control architectures and methods | 359/341 .1 |
| 60 | US 63514 47 B1 | ☒ | Recording defect substitution method for a disc-shaped recording medium, and a recording and reproducing apparatus for a disc-shaped recording medium | 369/275 .3 |
| 61 | US 63140 78 B1 | ☒ | Recording defect substitution method for a disc-shaped recording medium, and a recording and reproducing apparatus for a disc-shaped recording medium | 369/275 .3 |
| 62 | US 63012 20 B1 | ☒ | Recording defect substitution method for a disc-shaped recording medium, and a recording and reproducing apparatus for a disc-shaped recording medium | 369/275 .3 |
| 63 | US 62755 59 B1 | ☒ | Method and system for diagnosing faults in imaging scanners | 378/4 |
| 64 | US 62435 30 B1 | ☒ | Recording device, video output device, video display/record system and signal processing method for video display/record system | 386/94 |
| 65 | US 62405 31 B1 | ☒ | System and method for computer operating system protection | 714/38 |
| 66 | US 62376 04 B1 | ☒ | Systems and methods for preventing automatic identification of re-used single use devices | 128/897 |
| 67 | US 61957 32 B1 | ☒ | Storage device capacity management | 711/156 |
| 68 | US 61822 87 B1 | ☒ | Preferred service management system for a multimedia video decoder | 725/48 |
| 69 | US 61822 39 B1 | ☒ | Fault-tolerant codes for multi-level memories | 714/5 |
| 70 | US 61785 49 B1 | ☒ | Memory writer with deflective memory-cell handling capability | 717/124 |
| 71 | US 61755 49 B1 | ☒ | Recording defect substitution method of a disc-shaped recording medium, and a recording and reproducing apparatus for a disc-shaped recording medium | 369/53. 15 |
| 72 | US 61342 14 A | ☒ | Method for substituting defective recording of discoid recording medium and discoid recording medium recording and reproducing device | 369/47. 14 |
| 73 | US 60724 02 A | ☒ | Secure entry system with radio communications | 340/5.2 8 |
| 74 | US 59918 56 A | ☒ | System and method for computer operating system protection | 711/147 |
| 75 | US 59742 40 A | ☒ | Method and system for buffering condition code data in a data processing system having out-of-order and speculative instruction execution | 712/218 |
| 76 | US 59681 59 A | ☒ | Interrupt system with fast response time | 710/264 |
| 77 | US 59152 36 A | ☒ | Word recognition system which alters code executed as a function of available computational resources | 704/251 |
| 78 | US 58988 43 A | ☒ | System and method for controlling device which is present in media console and system unit of a split computer system | 710/100 |
| 79 | US 58929 44 A | ☒ | Program execution and operation right management system suitable for single virtual memory scheme | 718/100 |

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| 80 | US 58782 09 A | ☒ | Apparatus and method for identifying a failed subscriber unit in a wireless communication system | 714/57 |
| 81 | US 58706 01 A | ☒ | Data processing apparatus and method for correcting faulty microcode in a ROM device via a flag microinstruction in a RAM device including corrected microcode | 712/244 |
| 82 | US 58623 70 A | ☒ | Data processor system with instruction substitution filter for deimplementing instructions | 712/226 |
| 83 | US 58225 70 A | ☒ | System and method for parsing and executing a single instruction stream using a plurality of tightly coupled parsing and execution units | 703/26 |
| 84 | US 58155 57 A | ☒ | Homeowner key for an electronic real estate lockbox system | 340/5.6 4 |
| 85 | US 57907 78 A | ☒ | Simulated program execution error detection method and apparatus | 714/38 |
| 86 | US 57882 88 A | ☒ | Sealing arrangement | 285/93 |
| 87 | US 57674 98 A | ☒ | Bar code error scanner | 235/462 .16 |
| 88 | US 57059 91 A | ☒ | Access control device featuring key ordering or key simultaneity | 340/5.2 8 |
| 89 | US 56756 45 A | ☒ | Method and apparatus for securing executable programs against copying | 713/187 |
| 90 | US 55903 15 A | ☒ | Method and apparatus for simulating user input device presence in a computer system | 703/25 |
| 91 | US 55641 83 A | ☒ | Producing system of printed circuit board and method therefor | 29/840 |
| 92 | US 55308 61 A | ☒ | Process enaction and tool integration via a task oriented paradigm | 705/8 |
| 93 | US 55287 50 A | ☒ | Method/apparatus for recovering from a process within the system kernel without creating a recovery environment | 714/15 |
| 94 | US 55242 32 A | ☒ | Device for receiving and adapting a set of computer memory modules to a single computer memory module receiving socket | 711/115 |
| 95 | US 55049 20 A | ☒ | Video driver system for communicating device specific primitive commands to multiple video controller types | 712/42 |
| 96 | US 54103 02 A | ☒ | Method and apparatus for processing a received message in a communication receiver | 340/7.5 2 |
| 97 | US 54044 99 A | ☒ | Semi-automatic program execution error detection | 714/54 |
| 98 | US 52789 81 A | ☒ | Character stream search apparatus using a finite state automation | 707/6 |
| 99 | US 52126 93 A | ☒ | Small programmable array to the on-chip control store for microcode correction | 714/5 |
| 100 | US 51858 69 A | ☒ | System for masking execution ready signal during unsettled period of determining branch condition to prevent reading out of stored instructions | 712/234 |
| 101 | US 51792 41 A | ☒ | Apparatus for determining tonality for chord progression | 84/613 |
| 102 | US 51076 67 A | ☒ | Spinning frame management method | 57/264 |

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| 103 | US 5060604 A | ☒ | Method of detecting failure of a valve timing changeover control system of an internal combustion engine | 123/90.16 |
| 104 | US 5051886 A | ☒ | System for character stream search using finite state automaton technique | 707/6 |
| 105 | US 5033290 A | ☒ | Method of detecting failure of a valve timing changeover control system of an internal combustion engine | 73/118.1 |
| 106 | US 4890227 A | ☒ | Autonomous resource management system with recorded evaluations of system performance with scheduler control including knowledge learning function | 706/14 |
| 107 | US 4829163 A | ☒ | Crack detector for heated glass panel | 219/547 |
| 108 | US 4797657 A | ☒ | Portable self-contained intrusion detector for passenger aircraft | 340/541 |
| 109 | US 4727545 A | ☒ | Method and apparatus for isolating faults in a digital logic circuit | 714/33 |
| 110 | US 4667326 A | ☒ | Method and apparatus for error detection and correction in systems comprising floppy and/or hard disk drives | 714/762 |
| 111 | US 4366465 A | ☒ | False failure detection prevention in an air bag diagnostic system | 280/735 |
| 112 | US 4359715 A | ☒ | Coded failure indicator for an air bag system | 280/735 |
| 113 | US 4338660 A | ☒ | Relational break signal generating device | 714/34 |
| 114 | US 4307514 A | ☒ | Bore diameter measurement gage | 33/543.1 |
| 115 | US 4017894 A | ☒ | Method for preparing color separation printing patterns | 358/515 |
| 116 | US 3795916 A | ☐ | PROCESS OPERATION ERROR MONITOR AND ERROR MESSAGE SYSTEM | 714/55 |